5TH CATEGORY - HISTORIC RACING
GROUP S
APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current Motorsport Australia Manual.

Make of Car:	Fiat	**Model:**	124 CS Abarth
Period of Original Manufacture:	September 1972 – September 1974		
Motorsport Australia Historic Group:	Sc		
Date of Issue of this Document:	30/6/2022		
Note	The 124 CS2 Spider (2 litre) current from 1978 is not eligible within this group		

Update Log

30/6/2022	Document layout

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary construction
Period of Manufacture:	September 1972 – September 1974
Manufacturer:	Fiat
Chassis Number From:	124CS xxx
Chassis Number location:	Bulkhead
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent front suspension –double wishbones			
Spring Medium:	Coil			
Damper Type:	Telescopic		**Adjustable:**	Permitted
Anti-sway bar:	Yes		**Adjustable:**	No
Suspension adjustable:	No	**Method:**	Camber, Castor, Toe in/out	
Comments:	Spring rates and ride height unrestricted			

1.3. REAR SUSPENSION

Description:	Independent - lower wishbones, radius rods, struts			
Spring Medium:	Coil			
Damper Type:	Telescopic		**Adjustable**	Optional
Anti-sway bar:	Yes		**Adjustable:**	Yes
Suspension adjustable:	No	**Method:**	Camber, Castor, Toe in/out	
Comments:	Spring rates and ride height unrestricted			

1.4. STEERING

Type:	Worm and roller	**Make:**	Fiat
Comments	None		

1.5. BRAKES

	Front	**Rear**
Type:	Disc	Disc
Dimensions:	230 mm	230 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Fiat - Bendix	
Caliper type:		
Material:	Alloy	
Master cylinder make:	Fiat – Bendix	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Dual master cylinders permitted	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Fiat		
Model:	124		
No. cylinders:	Four	**Configuration:**	In line
Cylinder Block-material:	Cast iron	**Two/Four Stroke:**	Four
Bore – Original - 1608:	84 mm	**Max allowed:**	85.5 mm
Stroke – original - 1608:	79.2 mm	**Max allowed:**	79.2 mm
Capacity – original - 1608:	1756 cc	**Max allowed:**	1818 cc
Identifying marks:	Block casting number132AC1###		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Fiat				
No. of valves/cylinder:	Two	**Inlet:**	One	**Exhaust:**	One
No. of ports total:	Eight	**Inlet:**	Four	**Exhaust:**	Four
No. of camshafts:	Two	**Location:**	Head	**Drive:**	Toothed belt
Valve actuation:	Buckets				
Spark plugs/cylinder:	One				
Identifying marks:					
Comments:	None				

2.3. LUBRICATION

Method:	Wet sump	**Oil tank location:**	N/A
Dry sump pump type:	N/A	**Location:**	N/A
Oil cooler standard:	No	**Location:**	N/A
Comments:	Oil cooler allowed		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor
Make:	Marelli
Comments	None

2.5. FUEL SYSTEM

Carburettor Make:	Weber	**Model:**	44IDF
Carburettor Number:	Two		
Size:	Carburettor choke size free		
Fuel injection Make:	N/A	**Type:**	N/A
Supercharged:	No	**Type:**	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Fiat
Type:	Diaphragm
Diameter:	230 mm
No. of Plates:	One
Actuation:	Mechanical (cable)
Comments:	Clutch and method of actuation are free

3.2. TRANSMISSION

Type:	Five speed synchromesh
Make:	Fiat
Model	124
Gearbox location:	Behind engine
No. forward speeds:	Five
Gearchange type and location:	Floor remote
Case material:	Aluminium Alloy
Identifying marks:	
Comments:	Ratios free

3.3. FINAL DRIVE

Make:	Fiat/Abarth	**Model:**	
Wheel drive:	Rear		
Ratios:	Free		
Differential type:	Free		
Comments:	Limited slip differential or locker permitted		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Three
Location:	Gearbox to final drive Final drive to rear wheels
Description:	Tailshaft with universal joints Individual driveshafts with CV joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc Steel Cast Alloy – Cromodora	**Material - Original:**	Magnesium Alloy (Cromodora)
Wheel type - Allowed:	Cast alloy	**Material - Allowed:**	Steel or Aluminium Alloy
Fixture method:	Bolt on	**No. studs:**	Four
Wheel dia. & rim width	**FRONT**		**REAR**
Original:	5.5” x 13”		5.5” x 13”
Allowed	6” x 13”		6” x 13”
Tyre Section:			
Original:			
Allowed:	13” x 185/60”		13” x 185/60”
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list. Rim size and tyre size limited to combination that will fit under standard wheel arch. Period alloy wheels are permitted.		

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4.1. FUEL SYSTEM

Tank Location:	Rear	**Capacity:**	45 litres
Fuel pump, type:	Mechanical	**Make:**	Fiat
Comments:	Fuel pumps free		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	**Alternator fitted:**	Alternator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Two door roadster	**Material:**	Steel/Aluminium/GRP
No. of seats:	Two	**No. doors:**	Two
Comments:	Bonnet, Boot lids – GRP Door skins – Aluminium		

4.4. DIMENSIONS

Track - Front:	1351 mm	**Rear:**	1320 mm
Wheelbase:	2280 mm	**Overall length:**	3971 mm
Dry weight:	938 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix